Manitoba Agriculture

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MANITOBA REGIONAL Corn PERFORMANCE TESTS • 1991

A Report on Tests of Commercial Hybrids
Sponsored by The Manitoba Corn Committee

MG-11788 (REV. 90)

INTRODUCTION

The information contained in this report is based on 1991 field trials. The Registration and Recommendation tests for grain hybrids were located at Brandon, Bagot, Graysville and Morden. For the first time silage trials were not grown. Rainfall at critical periods of growth resulted in uniform tests at Brandon, Graysville and Morden. Variability at Bagot resulted in the data not being used for support of registration and recommendation. The season remained frost-free until after harvest at all three locations. Damage due to corn borer was quite severe at Morden and moderate at the other locations.

TABLE OF CONTENTS

Page

Introduction.....1
Table of Contents.....2
Weather Information.....3
1992 Recommended List.....4
Grain Corn Hybrid Data.....5
Grain Corn Recommendation Summary.....6
Grain Corn Registration Summary.....7
Grain Corn Trials - 1991.....8
Grain Corn Test #1, Brandon - 1991.....10
Grain Corn Test #2, Brandon - 1991.....11
Grain Corn Test #3, Brandon - 1991.....12
Grain Corn Test #1, Morden - 1991.....13
Grain Corn Test #2, Morden - 1991.....14
Grain Corn Test #3, Morden - 1991.....15
Grain Corn Test #1, Bagot - 1991.....16
Grain Corn Test #2, Bagot - 1991.....17
Grain Corn Test #3, Bagot - 1991.....18
Grain Corn Test #1, Graysville - 1991.....19
Grain Corn Test #2, Graysville - 1991.....20
Grain Corn Test #3, Graysville - 1991.....21

WEATHER INFORMATION

	Brandon		Morden		Portage	
	1991	1951-80 (average)	1991	1951-80 (average)	1991	normal (average)
Temperature (C)						
May	14.0	10.8	14.4	11.9	14.1	11.2
June	19.0	15.9	18.7	17.4	18.7	17.0
July	19.4	19.0	19.7	20.2	19.5	19.5
August	20.0	17.6	21.0	19.0	20.4	18.4
September	12.2	12.9	13.0	13.1	12.3	12.4
Precipitation (mm)						
May	58.2	47.4	112.8	66.3	64.3	62.3
June	121.0	79.1	171.2	75.8	89.3	75.7
July	144.0	73.0	116.8	73.2	85.2	76.3
August	20.0	64.5	38.8	71.1	11.2	81.0
September	52.0	45.5	72.0	51.9	72.0	50.0

Corn Heat Units from planting to first fall frost (or to harvest)

	1991	1951-80 (average)
Brandon	2707	2285
Morden	2875	2627
Portage	2810	-

Note: Weather data for Graysville was not available.

1992 Description of Recommended Corn Varieties

Test Locations 1988-1991: Graysville (1988); Bagot, Brandon, Graysville (1989); Bagot, Brandon, Graysville (1990); Brandon, Graysville, Morden (1991).

Hybrid	Company	Hybrid Type[1]	CHU Rating[2]	Relative Maturity Rating[3]	Days to 50% Silk	Broken Stalk (%)	Root Lodging (%)	Grain Density[4] (% of cks)	Grain Moisture (%)	Grain Yield[5] (% of cks)
K020	Pride	3W	2050	2054	68	4.7	0.5	104	18.6	87
2488	Pickseed	3W	2100	2137	69	5.6	0.2	99	21.0	94
2435	Pickseed	3W	2150	2152	71	7.3	3.0	101	21.3	89
K730	Pride	3W	2150	2168	72	3.3	0.0	103	21.8	95
N0565	NK	3W	2200	2171	72	3.0	0.0	99	21.9	108
3995	Pioneer	3W	2150	2175	68	7.7	0.6	101	21.8	98
HL3195	Hyland	3W	2250	2183	71	2.1	0.0	101	22.3	106
G4011*	Funks	SC	N/A	2187	71	2.5	0.0	100	22.2	108
DK233	Dekalb	SC	2150	2198	69	5.5	0.0	103	22.6	94
G4017	Funks	3W	2200	2202	72	4.0	0.6	100	22.8	96
DK235	Dekalb	OC	2200	2206	72	5.4	0.3	99	22.7	100
K030	Pride	3W	2200	2213	69	4.9	0.2	99	22.9	99
8507*	SigCo	2W	N/A	2213	71	2.9	0.0	101	23.0	104
PX9028	NK	3W	2250	2232	74	3.4	0.3	100	23.0	94
3969	Pioneer	SC	2250	2232	72	4.4	0.8	98	23.5	106
3967	Pioneer	SC	2250	2240	71	4.1	0.3	99	23.8	118
3979	Pioneer	SC	2250	2240	71	2.8	0.1	96	23.6	115
6312	Pride	3W	2250	2240	73	4.9	0.1	99	23.7	104
G4012*	Funks	SC	N/A	2251	72	1.5	0.0	99	23.8	111
LG3	Hyland	3W	2150	2254	69	4.2	1.2	99	24.2	96
HL3282	Hyland	3W	2200	2269	73	5.5	0.0	96	24.6	102
2404	Pickseed	MSC	N/A	2269	73	4.3	0.0	94	24.4	118
1111	Pride	SC	2350	2269	73	5.4	0.0	96	24.5	108
2477	Pickseed	3W	2250	2284	70	2.3	0.1	100	24.8	98
3953	Pioneer	SC	2350	2320	73	2.1	0.0	93	25.7	112
2600*	Pickseed	SC	N/A	2324	74	6.0	0.1	95	26.1	106
K1114*	Pride	MSC	N/A	2338	73	15.7	0.0	96	26.5	123
3929*	Pioneer	SC	N/A	2338	74	2.4	1.2	96	26.5	112

* On the recommended list for the first time.

[1] SC=single cross; 3W=3-way cross; MSC=modified single cross; OC=other cross.

[2] Corn Heat Unit rating will be replaced by the relative maturity rating in future years. New hybrids have not been assigned a Corn Heat Unit rating.

[3] Relative Maturity rating is based on a regression line of the Corn Heat Unit rating and the moisture content at harvest for previously recommended varieties. New varieties are rated relative to previously recommended hybrids. Hybrids will receive crop insurance based on their Relative Maturity rating (see comments).

[4] Mean grain density of the checks (G4017, LG3, K730, 3979, 3995) = 714 kg/m^3 (57.1 lb/bu).

[5] Mean grain yield of the checks (G4017, LG3, K730, 3979, 3995) = 5.02 t/ha (78.2 bu/ac).

Grain Corn Hybrid Data

Test Locations 1988-1991: Graysville (1988); Bagot, Brandon, Graysville (1989); Bagot, Brandon, Graysville (1990); Brandon, Graysville, Morden (1991).

		1991		1990-91		1989-91		1988-91	
Hybrid	Company	Grain Moisture (%)	Grain Yield (% cks)	Grain Moisture (%)	Grain Yield (% cks)	Grain Moisture (%)	Grain Yield (% cks)	Grain Moisture (%)	Grain Yield (% cks)
KO20	Pride	17.5	81	17.7	86	18.7	86	18.6	87
2488	Pickseed	19.0	97	21.3	97	21.2	96	21.0	94
2435	Pickseed	19.8	78	20.6	88	20.9	89	21.3	89
K730	Pride	19.6	97	21.6	93	21.9	94	21.8	95
NO565	NK	19.9	109	21.1	108	21.8	108	21.9	108
3995	Pioneer	20.8	94	21.5	96	21.8	98	21.8	98
HL3195	Hyland	19.7	106	21.3	106	22.3	106	22.3	106
G4011*	Funks	20.5	100	21.3	105	22.2	108	--	--
DK233	Dekalb	19.9	94	21.9	92	22.7	94	22.6	94
G4017	Funks	19.8	99	21.6	100	22.9	95	22.8	96
DK235	Dekalb	20.4	91	21.6	98	22.7	99	22.7	100
KO30	Pride	20.9	92	22.0	97	22.9	101	22.9	99
8507*	SigCo	20.5	99	21.7	101	23.0	105	23.0	104
PX9028	NK	21.0	101	22.5	98	23.0	94	23.0	94
3969	Pioneer	21.8	105	22.7	108	23.6	106	23.5	106
3967	Pioneer	22.0	108	23.8	115	23.8	118	--	--
3979	Pioneer	22.3	117	23.0	116	23.6	116	23.6	115
6312	Pride	21.3	102	22.7	106	23.7	105	23.7	104
G4012*	Funks	22.1	116	23.0	113	23.9	111	--	--
LG3	Hyland	22.0	93	23.2	95	24.3	96	24.2	96
2404*	Pickseed	22.3	117	--	--	--	--	--	--
HL3282	Hyland	21.2	103	23.1	103	24.8	102	24.6	102
1111	Pride	21.4	113	23.4	110	24.6	109	24.5	108
2477	Pickseed	22.8	94	24.0	93	24.8	99	24.8	98
3953	Pioneer	23.3	117	24.3	114	25.4	114	25.7	112
2600*	Pickseed	24.4	103	25.3	106	--	--	--	--
K1114*	Pride	24.2	123	--	--	--	--	--	--
3929*	Pioneer	23.3	118	25.7	110	26.5	112	--	--
Mean of Checks		22.9	4.94	22.2	5.30	22.9	4.94	22.5	5.02

* On the recommended list for the first time.
Mean grain yield of the checks (G4017, LG3, K730, 3979, 3995) = t/ha.

MCC Grain Corn Recommendation Summary

1988-Graysville 1989-Bagot, Brandon, Graysville
1990-Bagot, Brandon, Graysville 1991-Brandon, Graysville, Morden

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX	Relative Maturity rating
FUNK	G4017	72	4.0	0.6	48.5	717	22.8	4.83	21.2	2202
HYLAND	LG3	69	4.2	1.2	47.9	710	24.2	4.82	19.9	2254
KING AGRO	K730	72	3.3	0.0	48.0	734	21.8	4.77	21.9	2168
PIONEER	3979	71	2.8	0.1	49.2	688	23.6	5.78	24.4	2240
PIONEER	3995	68	7.7	0.6	49.3	721	21.8	4.91	22.5	2175
MEANS OF CHECKS		70	4.4	0.5	48.6	714	22.9	5.02	22.0	2209
CARGILL	1027	70	5.4	0.0	49.0	729	20.6	4.50	21.9	2121
CARGILL	PR806	71	6.0	0.0	48.7	700	22.8	5.51	24.2	2209
CARGILL	PR807	72	5.5	0.4	49.2	710	24.4	5.47	22.4	2262
DEKALB	DK233	69	5.5	0.0	48.3	735	22.6	4.72	20.9	2198
DEKALB	DK235	72	5.4	0.3	48.8	705	22.7	5.04	22.2	2206
FUNK	G4011	71	2.5	0.0	48.7	716	22.2	5.42	24.4	2187
FUNK	G4012	72	1.5	0.0	49.0	705	23.8	5.58	23.4	2251
HYLAND	HL3195	71	2.1	0.0	49.3	718	22.3	5.34	24.0	2183
HYLAND	HL3282	73	5.5	0.0	48.9	686	24.6	5.13	20.9	2269
HYLAND	HL8801	72	3.9	0.0	49.4	730	22.0	4.88	22.2	2179
INTERSTATE	IS120	73	5.8	0.4	49.2	681	24.8	5.61	22.6	2280
JACQUES	MBX013	69	4.4	0.3	49.0	683	19.9	5.06	25.5	2098
KING AGRO	C87-7	71	5.8	0.0	49.4	706	22.4	4.97	22.2	2187
KING AGRO	K020	68	4.7	0.5	49.0	740	18.6	4.37	23.4	2054
KING AGRO	K030	69	4.9	0.2	49.5	709	22.9	4.98	21.7	2213
KING AGRO	K1111	73	5.4	0.0	49.2	685	24.5	5.42	22.1	2269
KING AGRO	K1114	73	15.7	0.0	51.8	687	26.5	6.17	23.3	2338
KING AGRO	K148	74	9.7	0.0	48.5	666	29.1	5.78	19.8	2413
NORTHRUP KING	C86-12	71	6.9	1.2	49.2	732	20.9	5.19	24.8	2137
NORTHRUP KING	N0565	72	3.0	0.0	49.0	704	21.9	5.40	24.7	2171
NORTHRUP KING	PX9028	74	3.4	0.3	48.0	717	23.0	4.72	20.5	2232
PICKSEED	2404	73	4.3	0.0	48.5	673	24.4	5.90	24.2	2269
PICKSEED	2435	71	7.3	3.0	48.4	723	21.3	4.45	21.0	2152
PICKSEED	2477	70	2.3	0.1	48.9	711	24.8	4.92	19.8	2284
PICKSEED	2488	69	5.6	0.2	49.0	707	21.0	4.72	22.5	2137
PICKSEED	2600	74	6.0	0.1	49.6	675	26.1	5.34	20.5	2324
PICKSEED	52-207	71	1.8	0.0	48.7	740	19.6	4.81	24.5	2094
PICKSEED	72-14	70	4.3	0.0	49.2	715	20.5	5.34	26.0	2141
PIONEER	3929	74	2.4	1.2	49.4	687	26.5	5.62	21.2	2338
PIONEER	3953	73	2.1	0.0	49.0	663	25.7	5.63	21.9	2320
PIONEER	3967	71	4.1	0.3	49.5	706	23.8	5.93	25.0	2240
PIONEER	3969	72	4.4	0.8	49.6	700	23.5	5.33	22.7	2232
SIGCO	8507	71	2.9	0.0	49.2	718	23.0	5.24	22.8	2213
U.CO-OP	2325	74	3.7	0.0	45.7	706	23.5	5.06	21.5	2228
U.CO-OP	6305	71	12.1	0.0	48.7	717	24.0	4.95	20.6	2258
U.CO-OP	6312	73	4.9	0.1	48.9	710	23.7	5.20	21.9	2240
U.CO-OP	AC6309	73	5.3	0.0	49.2	687	26.4	5.57	21.1	2349
MEAN		71	4.6	0.3	48.9	708	23.0	5.15	22.4	2213

MCC Grain Corn Registration Summary

1990-Bagot, Brandon, Graysville 1991-Brandon, Graysville, Morden

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX	Relative Maturity rating
FUNK	G4017	68	5.3	0.0	49.3	724	21.0	5.43	25.8	2177
HYLAND	LG3	65	4.9	0.0	48.3	715	22.5	5.10	22.6	2243
KING AGRO	K730	69	4.9	0.0	48.4	734	21.0	5.13	24.4	2177
PIONEER	3995	64	9.7	0.0	49.5	723	21.1	5.09	24.1	2182
PIONEER	3979	69	4.3	0.0	49.5	693	22.5	6.21	27.6	2243
MEANS OF CHECKS		67	5.8	0.0	49.0	718	21.6	5.39	24.9	2203
KING AGRO	FIGARO	68	6.3	0.0	49.6	719	23.7	5.77	24.4	2301
PIONEER	X0C12	69	3.6	0.0	49.6	690	24.7	6.97	28.2	2354
PIONEER	Y1B11	67	9.0	0.0	49.4	728	21.2	5.57	26.2	2186
UofM	C88-1	69	5.6	0.0	49.6	707	20.6	5.19	25.2	2161
UofM	C88-28	69	3.9	0.0	49.1	698	21.0	5.47	26.0	2177
UofM	C88-29	69	6.1	0.0	49.6	723	21.3	5.21	24.5	2190
MEAN		68	8.8	0.0	49.0	701	22.8	5.71	25.1	

MCC Grain Corn Trials -1991-

Mean of 3 sites: Brandon, Graysville Morden

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	65	10.9	0.0	50.1	746	19.8	5.40	27.2
HYLAND	LG3	62	9.8	0.0	50.4	738	22.0	5.07	23.1
KING AGRO	K730	64	8.6	0.0	50.3	757	19.6	5.29	26.9
PIONEER	3979	65	8.4	0.0	50.3	703	22.4	6.35	28.4
PIONEER	3995	61	18.0	0.0	50.3	734	20.8	5.12	24.6
MEANS OF CHECKS		63	11.1	0.0	50.3	735	20.9	5.44	26.0
CARGILL	1027	64	15.7	0.0	50.2	741	19.4	4.49	23.1
CARGILL	PR806	65	11.0	0.0	50.2	724	20.9	5.25	25.1
CARGILL	PR807	65	10.4	0.0	50.2	734	22.5	5.02	22.4
DEKALB	CI0790	65	4.3	0.0	50.3	702	22.3	6.36	28.5
DEKALB	DK233	63	11.4	0.0	50.2	752	19.9	5.14	25.9
DEKALB	DK235	65	16.7	0.0	50.2	737	20.4	4.94	24.2
DEKALB	DK352	66	0.5	0.0	50.3	678	23.3	6.59	28.3
FUNK	G4011	64	6.1	0.0	50.2	721	20.5	5.43	26.5
FUNK	G4012	66	3.5	0.0	50.2	715	22.1	6.30	28.6
FUNK	PAM7536	64	19.2	0.0	50.4	724	22.1	5.28	23.9
FUNK	PAM7537	64	15.4	0.0	50.4	732	20.6	5.29	25.6
FUNK	PAM7538	63	17.1	0.0	50.4	732	22.6	5.45	24.1
FUNK	PAM7539	64	17.9	0.0	50.4	716	20.8	5.15	24.8
FUNK	PAM7541	64	16.0	0.0	50.4	725	22.2	5.78	26.0
FUNK	PAM7543	64	11.5	0.0	50.4	724	21.0	5.63	26.8
FUNK	PAM7544	64	15.7	0.0	50.4	715	20.9	5.41	25.9
FUNK	PAM7545	64	10.7	0.0	50.4	735	21.0	5.77	27.5
HYLAND	HL2212	69	7.7	0.0	50.4	654	25.8	6.62	25.7
HYLAND	HL2241	65	10.8	0.0	50.4	676	23.4	6.90	29.5
HYLAND	HL3195	65	6.4	0.0	50.2	739	19.7	5.79	29.4
HYLAND	HL3282	66	16.6	0.0	50.2	717	21.2	5.63	26.6
HYLAND	HL8801	65	12.2	0.0	50.6	746	19.5	5.30	27.1
HYLAND	TH90-20	65	9.9	0.0	50.4	728	20.2	6.00	29.8
HYLAND	TH929	66	11.1	0.0	50.4	684	23.1	6.88	29.8
HYLAND	TH986	68	4.3	0.0	50.4	677	23.7	6.48	27.3
INTERSTATE	IS120	67	15.8	0.0	50.2	692	23.8	5.59	23.5
JACQUES	MBX013	63	8.2	0.0	50.2	689	18.4	5.13	28.0
KING AGRO	1-266	66	5.4	0.0	50.3	724	23.3	6.10	26.1
KING AGRO	C87-7	65	16.9	0.0	50.2	725	20.3	5.19	25.6
KING AGRO	FIGARO	64	12.7	0.0	50.3	739	23.5	5.89	25.0
KING AGRO	K020	62	9.4	0.0	50.3	751	17.5	4.41	25.2
KING AGRO	K030	62	13.6	0.0	50.2	736	20.9	4.99	23.9
KING AGRO	K1111	67	14.6	0.0	50.2	698	21.4	6.16	28.8
KING AGRO	K1114	66	15.7	0.0	53.6	708	24.2	6.68	27.6
KING AGRO	K127	66	5.9	0.0	50.3	695	24.5	6.05	24.7
KING AGRO	K148	67	9.7	0.0	50.2	686	26.6	6.26	23.5
LETHBRIDGE	LX220	63	8.6	0.0	50.3	750	17.1	4.41	25.7

MBX	MBX866765	62	10.3	0.0	48.1	732	19.2	4.52	23.6
MBX	MBX880344	61	17.1	0.0	50.3	743	18.7	4.54	24.3
MBX	MBX880345	61	17.7	0.0	50.3	733	20.1	4.85	24.1
MBX	MBX880353	61	17.3	0.0	49.5	743	18.4	4.73	25.7
MBX	MBX880399	62	15.4	0.0	48.0	725	20.6	4.69	22.8
NORTHRUP KING	C86-12	64	14.2	0.0	50.4	749	19.6	5.57	28.4
NORTHRUP KING	N0565	65	8.5	0.0	50.3	728	19.9	5.93	29.8
NORTHRUP KING	PX9028	67	9.5	0.0	50.4	744	21.0	5.52	26.3
NORTHRUP KING	X011	66	6.8	0.0	50.3	712	22.6	6.22	27.5
OTTAWA	OX976	69	6.2	0.0	50.3	667	30.2	6.12	20.3
OTTAWA	OX977	68	8.4	0.0	50.3	670	28.8	6.61	23.0
OTTAWA	OX978	69	7.6	0.0	50.3	684	27.7	6.38	23.0
OTTAWA	OX979	67	8.1	0.0	50.3	687	25.1	5.77	23.0
OTTAWA	OX980	68	9.1	0.0	50.3	716	25.1	6.31	25.1
OTTAWA	OX981	69	6.2	0.0	50.3	650	31.9	6.18	19.4
PICKSEED	2404	66	4.3	0.0	50.2	693	22.3	6.39	28.7
PICKSEED	2435	64	14.3	0.0	48.6	738	19.8	4.26	21.5
PICKSEED	2477	63	4.3	0.0	50.2	727	22.8	5.10	22.4
PICKSEED	2488	64	12.0	0.0	50.2	715	19.0	5.28	27.8
PICKSEED	2600	67	11.1	0.0	50.6	685	24.4	5.61	23.0
PICKSEED	52-207	65	4.6	0.0	50.6	752	18.1	5.03	27.8
PICKSEED	72-14	63	12.5	0.0	50.2	727	19.0	5.37	28.2
PICKSEED	82-143	63	7.9	0.0	50.4	745	20.8	5.50	26.4
PICKSEED	83-300	65	9.3	0.0	50.4	723	21.5	5.73	26.7
PICKSEED	93-249	66	10.4	0.0	50.4	715	21.5	6.47	30.2
PIONEER	166792	63	23.8	0.0	50.4	743	21.1	5.83	27.6
PIONEER	166810	63	13.2	0.0	50.4	734	21.5	6.44	30.0
PIONEER	187023	65	5.7	0.0	50.4	693	25.0	6.72	26.9
PIONEER	187030	66	7.9	0.0	50.4	690	22.8	6.72	29.5
PIONEER	3929	67	5.7	0.0	50.6	712	23.3	6.43	27.6
PIONEER	3953	66	6.4	0.0	50.6	680	23.3	6.39	27.4
PIONEER	3967	65	12.1	0.0	50.3	718	22.0	5.88	26.7
PIONEER	3969	65	10.0	0.0	50.2	720	21.8	5.72	26.2
PIONEER	X0C12	65	7.4	0.0	50.4	697	24.3	7.44	30.7
PIONEER	Y1B11	63	16.9	0.0	50.4	742	20.9	5.49	26.3
SIGCO	8507	63	7.2	0.0	50.2	738	20.5	5.38	26.2
SUN VALLEY	SV911	64	11.1	0.0	50.0	701	22.8	6.57	28.8
SUN VALLEY	SV912	66	13.5	0.0	49.3	678	24.0	6.45	26.9
U.CO-OP	2325	68	9.2	0.0	47.8	714	22.5	5.46	24.2
U.CO-OP	6305	64	16.0	0.0	50.4	739	21.9	5.48	25.0
U.CO-OP	6312	66	12.4	0.0	50.4	723	21.3	5.55	26.1
U.CO-OP	AC6309	66	9.7	0.0	50.4	686	25.9	6.21	24.0
UofM	C88-1	66	11.1	0.0	50.3	718	20.0	5.32	26.6
UofM	C88-28	65	7.6	0.0	49.5	709	20.1	5.36	26.7
UofM	C88-29	65	12.2	0.0	50.3	741	21.3	5.23	24.5
UofM	T89-14	64	17.7	0.0	50.3	709	21.9	5.54	25.2
UofM	T89-166	64	11.2	0.0	49.8	729	19.3	4.83	25.1
UofM	T89-171	62	12.8	0.0	50.3	715	19.1	4.77	25.0
UofM	T89-174	63	22.9	0.0	50.3	748	18.8	4.84	25.8
UofM	T89-36	63	9.8	0.0	50.3	707	21.9	5.69	26.0
MEAN		65	11.1	0.0	50.2	717	21.9	5.67	25.9

Manitoba Grain Corn Test #1 Brandon -1991-

Date seeded: May 17, 1991
Date harvested: October 7, 1991 Plot size: 5.0m x 1.50m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	64	3.7	0.0	48.0	768	18.6	5.60	30.2
HYLAND	LG3	60	0.9	0.0	48.0	750	20.8	5.16	24.8
KING AGRO	K730	63	1.9	0.0	48.0	773	18.0	5.53	30.7
PIONEER	3995	60	0.9	0.0	48.0	752	20.4	5.48	26.9
PIONEER	3979	64	0.0	0.0	48.0	713	21.6	6.45	29.8
MEANS OF CHECKS		62	1.5	0.0	48.0	751	19.9	5.65	28.4
CARGILL	1027	62	0.9	0.0	48.0	747	18.3	5.03	27.4
CARGILL	PR806	64	1.9	0.0	48.0	737	19.9	5.83	29.3
CARGILL	PR807	64	0.0	0.0	48.0	753	21.0	5.57	26.5
DEKALB	DK233	62	0.9	0.0	48.0	768	19.9	5.10	25.7
DEKALB	DK235	62	1.9	0.0	48.0	743	20.5	4.91	23.9
FUNK	G4011	62	0.0	0.0	48.0	737	19.8	5.72	28.9
FUNK	G4012	65	0.0	0.0	48.0	730	21.0	5.87	27.9
HYLAND	HL3195	64	0.9	0.0	48.0	766	17.8	6.63	37.3
HYLAND	HL3282	64	1.9	0.0	48.0	733	19.9	6.57	33.0
HYLAND	HL8801	64	0.0	0.0	48.0	754	18.7	5.67	30.3
INTERSTATE	IS120	66	0.0	0.0	48.0	705	23.1	5.29	22.9
JACQUES	MBX013	61	0.9	0.0	48.0	718	17.1	5.59	32.8
KING AGRO	C87-7	65	0.0	0.0	48.0	741	19.8	5.97	30.2
KING AGRO	K020	61	0.9	0.0	48.0	750	16.5	4.12	25.0
KING AGRO	K030	60	0.9	0.0	48.0	749	19.8	5.80	29.3
KING AGRO	K1111	66	1.9	0.0	48.0	716	21.0	6.66	31.8
KING AGRO	K1114	65	0.9	0.0	48.0	721	23.1	6.96	30.1
KING AGRO	K148	65	0.0	0.0	48.0	691	25.4	6.89	27.2
NORTHRUP KING	N0565	65	3.7	0.0	48.0	738	18.6	6.64	35.8
PICKSEED	2404	66	0.0	0.0	48.0	700	22.0	6.51	29.6
PICKSEED	2435	61	0.9	0.0	48.0	751	19.3	4.33	22.4
PICKSEED	2477	62	0.9	0.0	48.0	737	21.8	5.02	23.0
PICKSEED	2488	60	3.7	0.0	48.0	736	17.8	5.65	31.7
PICKSEED	2600	65	0.9	0.0	48.0	711	22.3	5.77	25.9
PICKSEED	52-207	62	1.9	0.0	48.0	765	17.3	5.08	29.3
PICKSEED	72-14	61	0.9	0.0	48.0	745	17.7	5.69	32.2
PIONEER	3929	65	0.9	0.0	48.0	727	22.6	6.31	28.0
PIONEER	3953	63	0.0	0.0	48.0	716	20.4	6.14	30.1
PIONEER	3967	63	0.9	0.0	48.0	688	21.1	6.17	29.2
PIONEER	3969	64	0.9	0.0	48.0	729	21.3	5.92	27.8
SIGCO	8507	61	0.0	0.0	48.0	755	19.4	6.02	31.0
MEAN		63	1.0	0.0	48.0	736	20.1	5.77	28.7
C.V.								13.12	
LSD								1.21	

Manitoba Grain Corn Test #2 Brandon -1991-

Date seeded: May 17, 1991
Date harvested: October 7, 1991 Plot size: 5.0m x 1.50m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	64	1.9	0.0	48.0	759	18.2	4.83	26.6
HYLAND	LG3	61	0.9	0.0	48.0	755	19.6	5.01	25.6
KING AGRO	K730	64	0.9	0.0	48.0	750	17.3	5.08	29.3
PIONEER	3995	59	2.8	0.0	48.0	737	20.2	5.23	25.9
PIONEER	3979	64	0.0	0.0	48.0	715	19.8	6.00	30.3
MEANS OF CHECKS		62	1.3	0.0	48.0	743	19.0	5.23	27.5
FUNK	PAM7536	64	0.9	0.0	48.0	734	20.6	5.46	26.5
FUNK	PAM7537	63	0.0	0.0	48.0	744	18.9	5.52	29.1
FUNK	PAM7538	61	0.0	0.0	48.0	749	20.8	5.65	27.2
FUNK	PAM7539	61	0.9	0.0	48.0	697	19.1	5.57	29.2
FUNK	PAM7541	63	0.0	0.0	48.0	733	20.7	6.14	29.7
FUNK	PAM7543	63	0.0	0.0	48.0	733	18.4	5.79	31.5
FUNK	PAM7544	62	1.9	0.0	48.0	735	18.9	5.76	30.4
FUNK	PAM7545	63	0.0	0.0	48.0	743	19.4	5.57	28.7
HYLAND	HL2212	68	2.8	0.0	48.0	672	24.7	7.22	29.2
HYLAND	HL2241	65	0.0	0.0	48.0	678	21.6	6.44	28.8
HYLAND	TH90-20	65	0.9	0.0	48.0	734	18.7	6.47	34.6
HYLAND	TH929	65	0.9	0.0	48.0	696	21.5	7.07	32.9
HYLAND	TH986	66	0.9	0.0	48.0	687	21.1	6.68	31.7
KING AGRO	K020	60	1.9	0.0	48.0	766	16.1	4.15	25.9
NORTHRUP KING	C86-12	64	2.8	0.0	48.0	765	17.4	5.87	33.7
NORTHRUP KING	N0565	65	0.0	0.0	48.0	741	17.7	6.31	35.6
NORTHRUP KING	PX9028	66	1.9	0.0	48.0	758	18.7	6.00	32.1
PICKSEED	82-143	62	0.0	0.0	48.0	756	19.1	5.98	31.3
PICKSEED	83-300	63	0.9	0.0	48.0	740	19.4	5.55	28.7
PICKSEED	93-249	64	0.0	0.0	48.0	737	18.1	6.15	33.9
PIONEER	166792	61	4.6	0.0	48.0	747	20.5	6.31	30.7
PIONEER	166810	61	1.9	0.0	48.0	748	20.5	6.87	33.6
PIONEER	187023	65	0.9	0.0	48.0	705	23.3	6.61	28.3
PIONEER	187030	65	0.0	0.0	48.0	699	20.5	6.29	30.6
PIONEER	3967	63	2.8	0.0	48.0	739	20.2	6.63	32.8
PIONEER	X0C12	65	1.9	0.0	48.0	711	22.2	7.69	34.6
PIONEER	Y1B11	61	3.7	0.0	48.0	750	20.1	5.51	27.4
U.CO-OP	2325	66	1.9	0.0	48.0	730	20.3	6.32	31.2
U.CO-OP	6305	62	2.8	0.0	48.0	754	19.6	5.35	27.3
U.CO-OP	6312	66	3.7	0.0	48.0	741	19.6	5.92	30.2
U.CO-OP	AC6309	67	0.0	0.0	48.0	677	24.1	6.25	25.9
MEAN		63	1.3	0.0	48.0	731	19.9	5.9	30.0
C.V.								10.40	
LSD								1.00	

Manitoba Grain Corn Test #3 Brandon -1991-

Date seeded: May 17, 1991
Date harvested: October 7, 1991 Plot size: 5.0m x 1.50m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	62	1.9	0.0	48.0	769	17.5	6.17	35.2
HYLAND	LG3	61	1.9	0.0	48.0	742	18.9	4.90	25.9
KING AGRO	K730	64	1.9	0.0	48.0	767	17.3	5.66	32.7
PIONEER	3995	60	4.6	0.0	48.0	723	19.9	5.48	27.5
PIONEER	3979	64	0.0	0.0	48.0	701	20.2	5.72	28.3
MEANS OF CHECKS		62	2.0	0.0	48.0	740	18.8	5.58	29.7
DEKALB	CI0790	64	0.0	0.0	48.0	711	18.9	5.90	31.2
DEKALB	DK352	65	0.0	0.0	48.0	675	20.9	6.89	33.0
KING AGRO	1-266	65	0.0	0.0	48.0	754	19.3	6.05	31.4
KING AGRO	FIGARO	63	0.9	0.0	48.0	753	20.6	5.50	26.7
KING AGRO	K020	60	2.8	0.0	48.0	777	15.4	4.10	26.7
KING AGRO	K127	67	0.0	0.0	48.0	712	21.5	5.91	27.5
LETHBRIDGE	LX220	60	0.0	0.0	48.0	757	15.1	3.79	25.1
MBX	MBX866765	60	1.9	0.0	48.0	744	17.2	4.49	26.0
MBX	MBX880344	59	0.9	0.0	48.0	766	16.4	4.48	27.4
MBX	MBX880345	59	2.8	0.0	48.0	754	17.8	4.84	27.2
MBX	MBX880353	59	1.9	0.0	48.0	757	16.8	4.92	29.3
MBX	MBX880399	61	0.9	0.0	48.0	731	18.6	4.42	23.8
NORTHRUP KING	N0565	63	0.0	0.0	48.0	748	17.7	6.84	38.7
NORTHRUP KING	X011	65	0.9	0.0	48.0	734	19.4	6.61	34.0
OTTAWA	OX976	69	0.9	0.0	48.0	663	28.0	6.00	21.4
OTTAWA	OX977	67	2.8	0.0	48.0	679	24.9	7.35	29.5
OTTAWA	OX978	68	1.9	0.0	48.0	696	24.5	5.83	23.8
OTTAWA	OX979	65	0.0	0.0	48.0	706	21.8	6.36	29.1
OTTAWA	OX980	67	4.6	0.0	48.0	738	20.9	6.94	33.2
OTTAWA	OX981	70	0.9	0.0	48.0	642	29.4	6.16	21.0
PIONEER	3967	63	1.9	0.0	48.0	736	19.5	6.11	31.3
SUN VALLEY	SV911	63	0.9	0.0	48.0	723	20.7	7.18	34.7
SUN VALLEY	SV912	65	1.9	0.0	48.0	709	20.9	7.41	35.5
UofM	C88-1	65	0.9	0.0	48.0	739	17.6	5.67	32.2
UofM	C88-28	64	1.9	0.0	48.0	716	17.9	5.96	33.2
UofM	C88-29	64	2.8	0.0	48.0	753	19.2	5.70	29.7
UofM	T89-14	63	0.0	0.0	48.0	712	19.3	5.29	27.4
UofM	T89-166	61	2.8	0.0	48.0	737	16.4	4.79	29.2
UofM	T89-171	60	0.9	0.0	48.0	694	16.8	4.58	27.2
UofM	T89-174	61	2.8	0.0	48.0	757	16.6	4.68	28.2
UofM	T89-36	61	1.9	0.0	48.0	728	19.7	6.17	31.4
MEAN		63	1.5	0.0	48.0	728	19.5	5.69	29.1
C.V.								6.88	
LSD								0.63	

Manitoba Grain Corn Test #1 Morden -1991-

Date seeded: May 14, 1991
Date harvested: September 27, 1991 Plot size: 8.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	63	31.2	-99.0	51.7	768	15.6	4.41	28.2
HYLAND	LG3	59	33.3	-99.0	52.8	769	18.1	4.14	22.9
KING AGRO	K730	63	33.3	-99.0	51.7	780	16.4	3.92	24.0
PIONEER	3995	59	57.0	-99.0	51.7	764	16.1	3.74	23.2
PIONEER	3979	63	30.1	-99.0	51.7	735	17.4	5.73	32.9
MEANS OF CHECKS		62	37.0	-99.0	51.9	763	16.7	4.39	26.2
CARGILL	1027	62	46.2	-99.0	51.7	782	15.5	3.00	19.3
CARGILL	PR806	63	31.2	-99.0	51.7	749	17.3	3.36	19.4
CARGILL	PR807	63	31.2	-99.0	51.7	759	19.0	3.89	20.5
DEKALB	DK233	62	33.3	-99.0	51.7	802	15.7	4.19	26.7
DEKALB	DK235	63	46.2	-99.0	51.7	781	16.3	3.93	24.1
FUNK	G4011	63	18.3	-99.0	51.7	762	16.6	4.28	25.7
FUNK	G4012	64	8.6	-99.0	51.7	752	17.8	5.61	31.5
HYLAND	HL3195	62	18.3	-99.0	51.7	762	16.3	4.62	28.4
HYLAND	HL3282	64	45.2	-99.0	51.7	743	17.7	4.39	24.8
HYLAND	HL8801	62	36.6	-99.0	52.8	776	16.0	4.07	25.4
INTERSTATE	IS120	64	47.3	-99.0	51.7	727	19.0	4.59	24.1
JACQUES	MBX013	61	23.6	-99.0	51.7	716	14.8	3.57	24.1
KING AGRO	C87-7	62	50.5	-99.0	51.7	758	16.1	3.98	24.7
KING AGRO	K020	58	33.3	-99.0	51.7	777	13.9	3.42	24.6
KING AGRO	K030	61	39.8	-99.0	51.7	767	17.0	3.65	21.5
KING AGRO	K1111	64	41.9	-99.0	51.7	735	15.6	4.99	32.1
KING AGRO	K1114	63	46.2	-99.0	62.0	735	19.0	5.52	29.0
KING AGRO	K148	64	29.0	-99.0	51.7	711	22.4	5.45	24.4
NORTHRUP KING	N0565	63	33.3	-99.0	51.7	768	15.2	4.85	32.0
PICKSEED	2404	64	12.9	-99.0	51.7	726	17.8	5.83	32.7
PICKSEED	2435	63	41.9	-99.0	51.7	769	15.7	3.13	19.9
PICKSEED	2477	62	11.8	-99.0	51.7	762	18.7	4.51	24.1
PICKSEED	2488	62	32.3	-99.0	51.7	741	15.3	4.39	28.7
PICKSEED	2600	65	32.3	-99.0	52.8	702	20.0	4.68	23.4
PICKSEED	52-207	63	11.8	-99.0	52.8	797	14.4	3.88	26.9
PICKSEED	72-14	61	36.6	-99.0	51.7	755	15.7	4.00	25.4
PIONEER	3929	64	16.1	-99.0	52.8	751	18.6	5.77	31.1
PIONEER	3953	64	19.4	-99.0	52.8	711	19.5	5.98	30.6
PIONEER	3967	64	30.1	-99.0	51.7	750	18.5	4.98	27.0
PIONEER	3969	63	29.0	-99.0	51.7	746	17.8	5.07	28.5
SIGCO	8507	63	21.5	-99.0	51.7	775	16.3	3.99	24.4
MEAN		63	31.7	-99.0	52.8	754	17.0	4.43	26.0
C.V.								12.13	
LSD								0.86	

Manitoba Grain Corn Test #2 Morden -1991-

Date seeded: May 14, 1991
Date harvested: September 27, 1991 Plot size: 8.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	65	36.6	-99.0	51.7	757	16.6	3.50	21.1
HYLAND	LG3	60	36.6	-99.0	51.7	771	17.5	3.86	22.1
KING AGRO	K730	64	20.4	-99.0	51.7	778	16.6	3.91	23.5
PIONEER	3995	60	49.5	-99.0	51.7	756	17.9	3.93	21.9
PIONEER	3979	64	25.8	-99.0	51.7	722	20.0	5.96	29.8
MEANS OF CHECKS		63	33.8	-99.0	51.7	757	17.7	4.23	23.9
FUNK	PAM7536	63	54.8	-99.0	51.7	750	17.7	4.04	22.8
FUNK	PAM7537	64	46.2	-99.0	51.7	749	16.6	3.91	23.5
FUNK	PAM7538	63	49.5	-99.0	51.7	736	19.6	4.15	21.2
FUNK	PAM7539	64	52.7	-99.0	51.7	742	16.9	3.36	19.9
FUNK	PAM7541	64	46.2	-99.0	51.7	749	18.3	4.34	23.7
FUNK	PAM7543	64	34.4	-99.0	51.7	752	17.7	4.45	25.1
FUNK	PAM7544	64	45.2	-99.0	51.7	740	15.9	3.93	24.8
FUNK	PAM7545	62	30.1	-99.0	51.7	761	16.8	4.62	27.5
HYLAND	HL2212	67	20.4	-99.0	51.7	665	20.0	5.05	25.2
HYLAND	HL2241	65	32.3	-99.0	51.7	703	18.6	5.92	31.9
HYLAND	TH90-20	64	26.9	-99.0	51.7	751	16.2	4.27	26.4
HYLAND	TH929	65	32.3	-99.0	51.7	698	19.1	5.35	28.0
HYLAND	TH986	67	11.8	-99.0	51.7	696	19.2	5.05	26.4
KING AGRO	K020	60	24.7	-99.0	51.7	776	15.3	3.56	23.2
NORTHRUP KING	C86-12	63	39.8	-99.0	51.7	771	16.5	4.11	24.9
NORTHRUP KING	N0565	65	21.5	-99.0	51.7	755	16.8	3.69	22.0
NORTHRUP KING	PX9028	66	24.7	-99.0	51.7	756	17.8	3.72	20.9
PICKSEED	82-143	61	23.7	-99.0	51.7	777	16.8	4.41	26.2
PICKSEED	83-300	65	26.9	-99.0	51.7	741	18.0	4.84	26.9
PICKSEED	93-249	65	31.2	-99.0	51.7	732	18.1	5.16	28.5
PIONEER	166792	61	66.7	-99.0	51.7	766	16.4	4.01	24.4
PIONEER	166810	62	37.6	-99.0	51.7	758	17.5	5.04	28.7
PIONEER	187023	63	16.1	-99.0	51.7	706	21.2	5.41	25.6
PIONEER	187030	63	23.7	-99.0	51.7	731	18.6	5.75	30.9
PIONEER	3967	63	33.3	-99.0	51.7	743	19.0	4.57	24.0
PIONEER	X0C12	63	20.4	-99.0	51.7	707	20.9	6.00	28.7
PIONEER	Y1B11	62	45.2	-99.0	51.7	759	17.7	4.15	23.5
U.CO-OP	2325	67	25.8	-99.0	51.7	742	18.7	4.14	22.1
U.CO-OP	6305	64	45.2	-99.0	51.7	766	18.5	4.36	23.5
U.CO-OP	6312	65	33.3	-99.0	51.7	753	17.2	3.66	21.3
U.CO-OP	AC6309	65	29.0	-99.0	51.7	713	22.5	5.12	22.8
MEAN		64	33.9	-99.0	51.7	742	18.0	4.48	24.9
C.V.								12.92	
LSD								0.93	

Manitoba Grain Corn Test #3 Morden -1991-

Date seeded: May 14, 1991
Date harvested: September 27, 1991 Plot size: 8.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	66	22.6	-99.0	51.7	758	18.8	3.83	20.4
HYLAND	LG3	65	14.5	-99.0	51.7	750	19.6	3.83	19.5
KING AGRO	K730	65	19.4	-99.0	51.7	789	17.5	4.11	23.4
PIONEER	3995	64	40.3	-99.0	51.7	755	18.8	3.79	20.2
PIONEER	3979	66	17.7	-99.0	51.7	705	21.8	5.09	23.4
MEANS OF CHECKS		65	22.9	-99.0	51.7	751	19.3	4.13	21.4
DEKALB	CI0790	65	12.9	-99.0	51.7	711	20.3	5.54	27.4
DEKALB	DK352	68	1.6	-99.0	51.7	692	21.5	5.43	25.2
KING AGRO	1-266	67	16.1	-99.0	51.7	728	23.0	5.18	22.5
KING AGRO	FIGARO	65	37.1	-99.0	51.7	751	21.9	4.64	21.2
KING AGRO	K020	65	19.4	-99.0	51.7	780	16.6	3.38	20.4
KING AGRO	K127	67	17.7	-99.0	51.7	693	23.7	5.33	22.5
LETHBRIDGE	LX220	64	25.8	-99.0	51.7	753	16.1	3.58	22.2
MBX	MBX866765	64	29.0	-99.0	51.7	742	17.5	3.48	19.8
MBX	MBX880344	63	48.4	-99.0	51.7	757	17.1	3.78	22.0
MBX	MBX880345	64	48.4	-99.0	51.7	744	18.3	3.66	20.0
MBX	MBX880353	64	50.0	-99.0	51.7	743	16.3	3.18	19.5
MBX	MBX880399	64	45.2	-99.0	51.7	731	18.9	3.82	20.2
NORTHRUP KING	N0565	66	17.7	-99.0	51.7	749	17.7	4.80	27.1
NORTHRUP KING	X011	66	19.4	-99.0	51.7	703	22.3	4.82	21.6
OTTAWA	OX976	68	17.7	-99.0	51.7	683	28.9	5.20	18.0
OTTAWA	OX977	67	22.6	-99.0	51.7	678	27.0	5.68	21.0
OTTAWA	OX978	68	21.0	-99.0	51.7	683	27.1	5.76	21.2
OTTAWA	OX979	68	24.2	-99.0	51.7	673	24.1	4.14	17.1
OTTAWA	OX980	67	22.6	-99.0	51.7	717	24.4	4.61	19.0
OTTAWA	OX981	68	17.8	-99.0	51.7	652	30.5	5.40	17.7
PIONEER	3967	65	40.3	-99.0	51.7	741	19.4	4.23	21.8
SUN VALLEY	SV911	65	32.3	-99.0	51.7	698	21.0	5.08	24.1
SUN VALLEY	SV912	66	38.7	-99.0	51.7	691	20.4	5.14	25.2
UofM	C88-1	67	32.3	-99.0	51.7	718	18.4	4.03	21.9
UofM	C88-28	66	21.0	-99.0	51.7	713	18.6	3.99	21.4
UofM	C88-29	65	33.9	-99.0	51.7	763	19.6	3.98	20.3
UofM	T89-14	65	53.2	-99.0	51.7	727	19.4	4.43	22.9
UofM	T89-166	66	29.0	-99.0	51.7	731	18.6	3.57	19.1
UofM	T89-171	65	35.5	-99.0	51.7	734	17.5	3.44	19.7
UofM	T89-174	64	61.3	-99.0	51.7	749	17.9	3.72	20.9
UofM	T89-36	64	27.4	-99.0	51.7	698	20.4	4.22	20.7
MEAN		65	28.7	-99.0	51.7	724	20.6	4.39	21.3
C.V.								9.89	
LSD								0.85	

Manitoba Grain Corn Test #1 Bagot -1991-

Date seeded: May 16, 1991
Date harvested: October 18, 1991 Plot size: 9.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	60	3.2	-99.0	46.5	719	18.0	6.33	35.1
HYLAND	LG3	56	3.2	-99.0	46.5	727	18.0	5.49	30.4
KING AGRO	K730	64	1.1	-99.0	47.5	753	17.0	7.08	41.7
PIONEER	3995	58	8.6	-99.0	46.5	733	19.5	5.20	26.7
PIONEER	3979	64	6.4	-99.0	47.0	694	19.6	6.62	33.8
MEANS OF CHECKS		61	4.5	-99.0	46.8	725	18.4	6.14	33.3
CARGILL	1027	63	11.8	-99.0	47.5	739	17.0	6.81	40.1
CARGILL	PR806	65	3.2	-99.0	45.9	701	19.5	6.94	35.6
CARGILL	PR807	63	2.2	-99.0	46.5	736	19.3	7.50	38.9
DEKALB	DK233	59	2.2	-99.0	47.9	743	18.7	5.80	31.0
DEKALB	DK235	59	1.1	-99.0	51.4	735	19.3	6.12	31.8
FUNK	G4011	63	1.1	-99.0	47.5	723	18.7	5.94	31.8
FUNK	G4012	64	3.2	-99.0	47.8	707	21.1	6.32	30.0
HYLAND	HL3195	62	3.2	-99.0	47.0	741	17.1	7.43	43.5
HYLAND	HL3282	62	5.4	-99.0	47.8	695	19.2	6.18	32.2
HYLAND	HL8801	63	6.4	-99.0	46.8	746	18.7	5.65	30.3
INTERSTATE	IS120	62	10.8	-99.0	45.9	693	20.0	7.97	39.8
JACQUES	MBX013	62	1.1	-99.0	47.5	690	17.0	5.58	32.8
KING AGRO	C87-7	64	0.0	-99.0	47.0	720	17.4	7.08	40.7
KING AGRO	K020	59	2.2	-99.0	46.5	748	17.0	4.99	29.3
KING AGRO	K030	61	8.6	-99.0	47.0	720	19.2	6.11	31.9
KING AGRO	K1111	66	5.4	-99.0	49.0	688	20.4	7.87	38.6
KING AGRO	K1114	63	2.2	-99.0	47.0	691	21.5	7.91	36.8
KING AGRO	K148	65	4.3	-99.0	45.9	665	22.0	9.17	41.7
NORTHRUP KING	N0565	64	5.4	-99.0	46.5	716	18.7	7.36	39.3
PICKSEED	2404	65	1.1	-99.0	48.1	669	20.3	7.57	37.3
PICKSEED	2435	61	3.2	-99.0	50.4	717	17.9	4.86	27.1
PICKSEED	2477	64	3.2	-99.0	53.1	722	21.5	5.77	26.8
PICKSEED	2488	60	5.4	-99.0	46.5	703	17.5	5.32	30.3
PICKSEED	2600	65	1.1	-99.0	47.9	679	21.3	7.99	37.6
PICKSEED	52-207	59	2.2	-99.0	48.4	753	17.8	6.18	34.8
PICKSEED	72-14	59	9.7	-99.0	45.9	722	21.2	5.62	26.5
PIONEER	3929	64	2.2	-99.0	46.5	697	21.2	8.30	39.2
PIONEER	3953	64	1.1	-99.0	46.5	676	22.8	7.78	34.1
PIONEER	3967	62	7.5	-99.0	49.8	707	17.8	5.98	33.5
PIONEER	3969	64	3.2	-99.0	47.4	705	19.1	7.92	41.5
SIGCO	8507	61	12.9	-99.0	50.9	719	19.0	5.75	30.3
MEAN		62	4.3	-99.0	50.9	714	19.2	6.63	34.5
C.V.								15.30	
LSD								1.62	

Manitoba Grain Corn Test #2 Bagot -1991-

Date seeded: May 16, 1991
Date harvested: October 18, 1991 Plot size: 9.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	64	3.2	-99.0	47.5	745	17.2	6.35	36.9
HYLAND	LG3	60	4.3	-99.0	47.0	706	19.0	5.20	27.4
KING AGRO	K730	65	10.8	-99.0	49.0	735	17.7	5.48	30.9
PIONEER	3995	57	14.0	-99.0	46.8	724	17.9	4.70	26.2
PIONEER	3979	63	1.1	-99.0	46.5	704	18.7	6.62	35.3
MEANS OF CHECKS		62	6.7	-99.0	47.4	723	18.1	5.67	31.3
FUNK	PAM7536	64	1.1	-99.0	47.4	704	22.9	5.15	22.4
FUNK	PAM7537	62	2.2	-99.0	46.5	719	19.6	5.44	27.8
FUNK	PAM7538	63	3.2	-99.0	46.8	723	18.5	6.14	33.3
FUNK	PAM7539	65	2.2	-99.0	47.9	716	17.5	4.83	27.6
FUNK	PAM7541	64	7.5	-99.0	47.0	717	17.7	6.49	36.7
FUNK	PAM7543	64	4.3	-99.0	46.5	715	17.8	6.43	36.1
FUNK	PAM7544	63	3.2	-99.0	47.5	709	17.9	6.76	37.8
FUNK	PAM7545	64	1.1	-99.0	45.9	726	17.6	6.46	36.8
HYLAND	HL2212	69	5.4	-99.0	47.5	647	21.2	6.83	32.3
HYLAND	HL2241	66	1.1	-99.0	47.5	661	18.2	7.29	40.2
HYLAND	TH90-20	64	3.2	-99.0	47.0	710	21.6	7.48	34.6
HYLAND	TH929	65	3.2	-99.0	48.4	666	19.2	7.35	38.3
HYLAND	TH986	68	0.0	-99.0	47.0	669	20.1	6.98	34.8
KING AGRO	K020	61	6.4	-99.0	47.4	729	17.0	4.32	25.4
NORTHRUP KING	C86-12	64	2.2	-99.0	47.0	731	17.0	5.70	33.5
NORTHRUP KING	N0565	65	6.4	-99.0	46.8	727	17.1	8.24	48.2
NORTHRUP KING	PX9028	66	1.1	-99.0	47.0	721	22.9	4.83	21.0
PICKSEED	82-143	63	4.3	-99.0	47.0	725	19.3	5.28	27.4
PICKSEED	83-300	65	0.0	-99.0	46.5	715	17.0	4.81	28.2
PICKSEED	93-249	64	0.0	-99.0	46.8	700	17.2	6.82	39.7
PIONEER	166792	62	10.8	-99.0	46.5	729	18.2	5.27	28.9
PIONEER	166810	63	4.3	-99.0	47.0	723	18.3	7.02	38.3
PIONEER	187023	65	2.2	-99.0	48.4	672	20.6	6.09	29.5
PIONEER	187030	64	0.0	-99.0	47.0	699	19.6	8.56	43.7
PIONEER	3967	63	3.2	-99.0	45.9	707	19.5	6.66	34.1
PIONEER	X0C12	67	3.2	-99.0	47.9	689	17.7	7.34	41.5
PIONEER	Y1B11	62	9.7	-99.0	47.0	728	17.8	5.63	31.6
U.CO-OP	2325	67	8.6	-99.0	47.0	723	17.6	6.42	36.5
U.CO-OP	6305	64	5.4	-99.0	46.5	719	20.0	5.89	29.5
U.CO-OP	6312	65	9.7	-99.0	46.8	711	18.5	5.57	30.0
U.CO-OP	AC6309	68	6.4	-99.0	45.9	677	23.0	5.95	25.9
MEAN		64	4.3	-99.0	46.8	709	18.9	6.18	32.8
C.V.								16.05	
LSD								1.59	

Manitoba Grain Corn Test #3 Bagot -1991-

Date seeded: May 16, 1991
Date harvested: October 18, 1991 Plot size: 9.0m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	64	3.2	-99.0	47.5	728	17.4	4.98	28.7
HYLAND	LG3	59	2.2	-99.0	47.5	725	18.0	5.13	28.5
KING AGRO	K730	64	10.8	-99.0	45.9	754	17.1	5.76	33.8
PIONEER	3995	59	5.4	-99.0	47.4	731	18.5	5.17	28.0
PIONEER	3979	64	1.1	-99.0	53.6	687	19.6	6.40	32.7
MEANS OF CHECKS		62	4.5	-99.0	48.4	725	18.1	5.49	30.3
DEKALB	CI0790	64	0.0	-99.0	47.0	683	19.2	7.79	40.6
DEKALB	DK352	66	1.1	-99.0	47.5	665	20.2	7.23	35.8
KING AGRO	1-266	67	1.1	-99.0	47.5	688	20.5	5.28	25.7
KING AGRO	FIGARO	65	2.2	-99.0	46.8	723	20.3	6.18	30.5
KING AGRO	K020	59	2.2	-99.0	47.0	742	17.0	3.82	22.5
KING AGRO	K127	65	0.0	-99.0	45.9	663	20.5	6.95	33.9
LETHBRIDGE	LX220	58	2.2	-99.0	52.3	736	17.0	4.60	27.1
MBX	MBX866765	61	2.2	-99.0	50.4	723	17.0	4.09	24.1
MBX	MBX880344	59	9.7	-99.0	47.0	747	17.0	4.56	26.8
MBX	MBX880345	58	2.2	-99.0	47.0	735	18.2	5.34	29.3
MBX	MBX880353	61	12.9	-99.0	49.0	729	17.3	4.80	27.8
MBX	MBX880399	61	1.1	-99.0	50.0	741	18.6	4.06	21.9
NORTHRUP KING	N0565	65	2.2	-99.0	45.9	738	17.2	6.12	35.5
NORTHRUP KING	X011	66	6.4	-99.0	45.9	721	17.7	6.82	38.5
OTTAWA	OX976	70	4.3	-99.0	47.4	672	23.5	5.77	24.6
OTTAWA	OX977	68	4.3	-99.0	46.5	686	22.2	7.30	32.9
OTTAWA	OX978	68	4.3	-99.0	47.0	668	24.1	6.07	25.1
OTTAWA	OX979	67	2.2	-99.0	46.8	691	21.2	6.57	31.0
OTTAWA	OX980	68	0.0	-99.0	46.5	709	25.0	5.79	23.1
OTTAWA	OX981	67	0.0	-99.0	45.9	666	24.5	7.87	32.2
PIONEER	3967	65	17.2	-99.0	48.4	709	18.5	6.02	32.6
SUN VALLEY	SV911	64	3.2	-99.0	45.9	689	19.0	5.45	28.6
SUN VALLEY	SV912	66	4.3	-99.0	47.9	680	19.4	6.11	31.4
UofM	C88-1	66	2.2	-99.0	46.5	711	17.0	5.53	32.5
UofM	C88-28	64	8.6	-99.0	46.5	694	17.0	5.36	31.5
UofM	C88-29	64	2.2	-99.0	50.3	732	19.1	4.58	24.0
UofM	T89-14	65	2.2	-99.0	47.4	701	17.4	5.03	28.8
UofM	T89-166	61	8.6	-99.0	48.7	731	17.0	4.62	27.2
UofM	T89-171	161	2.2	-99.0	49.0	721	17.3	4.84	28.0
UofM	T89-174	63	6.4	-99.0	46.5	717	17.7	4.76	26.9
UofM	T89-36	61	5.4	-99.0	48.4	711	18.4	5.19	28.1
MEAN		66	4.0	-99.0	53.6	710	19.1	5.61	29.4
C.V.								22.28	
LSD								2.00	

Manitoba Grain Corn Test #1 Graysville -1991-

Date seeded: May 11, 1991
Date harvested: September 21, 1991 Plot size: 9.1m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	66	0.0	0.0	51.2	715	24.7	7.13	28.9
HYLAND	LG3	63	0.0	0.0	51.2	691	24.0	6.45	26.9
KING AGRO	K730	63	0.0	0.0	50.8	725	24.5	6.85	28.0
PIONEER	3995	62	2.9	0.0	51.2	718	23.9	6.28	26.3
PIONEER	3979	66	1.9	0.0	51.2	686	26.0	6.82	26.2
MEANS OF CHECKS		64	0.9	0.0	51.1	707	26.6	6.54	24.6
CARGILL	1027	66	0.0	0.0	51.2	710	24.9	5.90	23.7
CARGILL	PR806	65	0.0	0.0	51.2	701	25.8	7.17	27.8
CARGILL	PR807	64	0.0	0.0	51.2	706	27.4	5.84	21.3
DEKALB	DK233	64	0.0	0.0	51.2	703	24.3	6.38	26.2
DEKALB	DK235	67	1.9	0.0	51.2	703	24.6	6.26	25.4
FUNK	G4011	67	0.0	0.0	51.2	681	25.4	6.59	25.9
FUNK	G4012	68	1.9	0.0	51.2	678	27.9	7.56	27.1
HYLAND	HL3195	66	0.0	0.0	51.2	705	25.5	6.32	24.8
HYLAND	HL3282	67	2.9	0.0	51.2	688	26.0	6.14	23.6
HYLAND	HL8801	67	0.0	0.0	51.2	723	24.0	6.46	26.9
INTERSTATE	IS120	68	0.0	0.0	51.2	660	29.7	7.17	24.2
JACQUES	MBX013	65	0.0	0.0	51.2	647	23.8	6.70	28.2
KING AGRO	C87-7	66	0.0	0.0	51.2	693	25.2	5.87	23.3
KING AGRO	K020	64	0.0	0.0	51.2	710	21.1	5.55	26.3
KING AGRO	K030	64	0.0	0.0	51.2	706	26.3	5.83	22.2
KING AGRO	K1111	69	0.0	0.0	51.2	656	28.9	7.07	24.5
KING AGRO	K1114	69	0.0	0.0	51.2	683	31.3	7.81	24.9
KING AGRO	K148	69	0.0	0.0	51.2	670	32.1	6.46	20.1
NORTHRUP KING	N0565	62	0.0	0.0	51.2	679	26.3	6.27	23.9
PICKSEED	2404	65	0.0	0.0	51.2	667	27.2	6.82	25.0
PICKSEED	2435	67	0.0	0.0	46.1	711	24.8	5.68	22.9
PICKSEED	2477	63	0.0	0.0	51.2	697	28.1	5.83	20.8
PICKSEED	2488	67	0.0	0.0	51.2	684	24.4	5.93	24.3
PICKSEED	2600	68	0.0	0.0	51.2	655	31.5	6.58	20.9
PICKSEED	52-207	67	0.0	0.0	51.2	711	23.1	6.46	28.0
PICKSEED	72-14	66	0.0	0.0	51.2	695	23.9	6.79	28.4
PIONEER	3929	68	0.0	0.0	51.2	674	29.4	7.27	24.7
PIONEER	3953	68	0.0	0.0	51.2	629	30.7	7.01	22.8
PIONEER	3967	66	0.0	0.0	51.2	684	26.5	6.53	24.6
PIONEER	3969	67	0.0	0.0	51.2	698	26.5	6.20	23.4
SIGCO	8507	64	0.0	0.0	51.2	701	26.4	6.46	24.5
MEAN		66	0.3	0.0	51.2	690	26.6	6.50	24.5
C.V.								6.60	
LSD								0.69	

Manitoba Grain Corn Test #2 Graysville -1991-

Date seeded: May 11, 1991
Date harvested: September 21, 1991 Plot size: 9.1m x C.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	68	0.0	0.0	49.8	719	24.3	6.88	28.3
HYLAND	LG3	63	0.0	0.0	51.2	711	24.8	6.64	26.8
KING AGRO	K730	65	0.0	0.0	51.2	721	24.3	6.47	26.7
PIONEER	3995	66	3.8	0.0	51.2	691	25.2	6.02	23.9
PIONEER	3979	66	0.0	0.0	51.2	671	27.9	7.42	26.6
MEANS OF CHECKS		66	0.8	0.0	51.0	703	25.3	6.69	26.4
FUNK	PAM7536	66	1.9	0.0	51.2	686	27.5	6.09	22.2
FUNK	PAM7537	66	0.0	0.0	51.2	701	26.0	6.23	24.0
FUNK	PAM7538	65	1.9	0.0	51.2	707	26.5	6.28	23.7
FUNK	PAM7539	68	0.0	0.0	51.2	705	25.9	6.55	25.3
FUNK	PAM7541	67	1.9	0.0	51.2	691	26.9	6.57	24.4
FUNK	PAM7543	66	0.0	0.0	51.2	683	26.5	6.31	23.8
FUNK	PAM7544	67	0.0	0.0	51.2	667	28.0	6.36	22.7
FUNK	PAM7545	66	1.9	0.0	51.2	699	26.3	6.83	26.0
HYLAND	HL2212	72	0.0	0.0	51.2	621	32.2	7.19	22.3
HYLAND	HL2241	66	0.0	0.0	51.2	644	29.7	7.82	26.3
HYLAND	TH90-20	68	1.9	0.0	51.2	695	25.2	7.08	28.1
HYLAND	TH929	68	0.0	0.0	51.2	655	27.9	7.85	28.1
HYLAND	TH986	72	0.0	0.0	51.2	645	30.6	7.34	24.0
KING AGRO	K020	67	1.9	0.0	50.8	712	21.0	5.59	26.6
NORTHRUP KING	C86-12	66	0.0	0.0	51.2	709	24.5	6.53	26.7
NORTHRUP KING	N0565	69	0.0	0.0	51.2	677	26.5	7.15	27.0
NORTHRUP KING	PX9028	70	1.9	0.0	51.2	714	25.8	6.78	26.3
PICKSEED	82-143	66	0.0	0.0	51.2	700	26.0	5.64	21.7
PICKSEED	83-300	67	0.0	0.0	51.2	684	26.4	6.36	24.0
PICKSEED	93-249	70	0.0	0.0	51.2	673	27.9	7.84	28.1
PIONEER	166792	67	0.0	0.0	51.2	712	25.8	7.07	27.4
PIONEER	166810	66	0.0	0.0	51.2	694	25.6	6.97	27.2
PIONEER	187023	67	0.0	0.0	51.2	665	29.5	7.74	26.3
PIONEER	187030	70	0.0	0.0	51.2	637	28.8	7.61	26.4
PIONEER	3967	68	0.0	0.0	51.2	690	28.0	6.50	23.2
PIONEER	X0C12	68	0.0	0.0	51.2	670	28.6	8.09	28.3
PIONEER	Y1B11	66	1.9	0.0	51.2	714	23.8	6.62	27.8
U.CO-OP	2325	71	0.0	0.0	43.4	668	28.1	5.48	19.5
U.CO-OP	6305	67	0.0	0.0	51.2	693	26.8	6.46	24.1
U.CO-OP	6312	67	0.0	0.0	51.2	674	26.7	7.11	26.6
U.CO-OP	AC6309	68	0.0	0.0	51.2	665	29.9	6.81	22.7
MEAN		67	0.5	0.0	51.2	685	26.8	6.79	25.3
C.V.								5.95	
LSD								0.65	

Manitoba Grain Corn Test #3 Graysville -1991-

Date seeded: May 11, 1991
Date harvested: September 21, 1991 Plot size: 9.1m x 0.75m

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (dry)	Y/M INDEX
FUNK	G4017	66	0.0	0.0	51.2	700	24.4	6.71	27.5
HYLAND	LG3	63	0.0	0.0	51.2	705	25.4	6.52	25.7
KING AGRO	K730	64	0.0	0.0	51.2	727	25.0	6.26	25.1
PIONEER	3995	63	0.0	0.0	51.2	709	23.5	6.23	26.5
PIONEER	3979	66	0.0	0.0	51.2	678	26.0	7.11	27.4
MEANS OF CHECKS		64	0.0	0.0	51.2	704	24.9	6.57	26.4
DEKALB	CI0790	67	0.0	0.0	51.2	673	28.4	7.26	25.6
DEKALB	DK352	67	0.0	0.0	51.2	657	27.7	7.09	25.6
KING AGRO	1-266	68	0.0	0.0	51.2	680	28.0	6.71	24.0
KING AGRO	FIGARO	66	0.0	0.0	51.2	702	28.4	7.46	26.3
KING AGRO	K020	64	0.0	0.0	51.2	710	20.9	5.90	28.2
KING AGRO	K127	66	0.0	0.0	51.2	668	28.3	6.47	22.8
LETHBRIDGE	LX220	66	0.0	0.0	51.2	727	20.4	5.79	28.4
MBX	MBX866765	63	0.0	0.0	44.7	700	23.0	5.53	24.1
MBX	MBX880344	61	1.9	0.0	51.2	697	22.9	5.15	22.5
MBX	MBX880345	62	1.9	0.0	51.2	691	24.7	6.03	24.4
MBX	MBX880353	62	0.0	0.0	48.8	716	22.4	6.25	27.9
MBX	MBX880399	63	0.0	0.0	44.4	702	24.5	5.68	23.2
NORTHRUP KING	N0565	66	0.0	0.0	51.2	700	24.1	6.71	27.9
NORTHRUP KING	X011	69	0.0	0.0	51.2	687	26.3	7.08	26.9
OTTAWA	OX976	73	0.0	0.0	51.2	644	33.3	6.83	20.5
OTTAWA	OX977	72	0.0	0.0	51.2	643	34.8	6.21	17.9
OTTAWA	OX978	72	0.0	0.0	51.2	664	31.2	7.05	22.6
OTTAWA	OX979	71	0.0	0.0	51.2	669	29.6	6.80	23.0
OTTAWA	OX980	72	0.0	0.0	51.2	683	30.5	7.33	24.0
OTTAWA	OX981	72	0.0	0.0	51.2	644	35.6	6.51	18.3
PIONEER	3967	67	0.0	0.0	51.2	690	25.9	6.94	26.8
SUN VALLEY	SV911	66	0.0	0.0	50.3	671	26.9	7.26	27.0
SUN VALLEY	SV912	69	0.0	0.0	48.3	625	31.5	6.45	20.5
UofM	C88-1	67	0.0	0.0	51.2	687	24.1	6.15	25.5
UofM	C88-28	67	0.0	0.0	48.8	686	23.9	6.02	25.2
UofM	C88-29	67	0.0	0.0	51.2	697	25.3	5.87	23.2
UofM	T89-14	67	0.0	0.0	51.2	677	27.7	6.77	24.5
UofM	T89-166	66	1.9	0.0	49.8	707	23.0	6.17	26.9
UofM	T89-171	64	1.9	0.0	51.2	704	23.4	6.39	27.3
UofM	T89-174	65	4.8	0.0	51.2	724	22.0	6.09	27.7
UofM	T89-36	67	0.0	0.0	51.2	685	25.9	6.62	25.6
MEAN		67	0.3	0.0	51.2	687	26.4	6.49	24.6
C.V.								8.42	
LSD								0.88	